



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

Stock

004958

646.4001

Job Sheet 180507



Part No: 646.4001

Job Qty: 1 ea

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/7/18

Job Tracking No:

Due Date: 7/27/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier			
90	Start up Operation	1 Ea	7/27/18	7/27/18	0.00	0.00	Start Up Stores/Pkg-1			AUG 13 2018
110	Packaging	1 pcs	7/27/18	7/27/18	0.00	0.00	Packaging1-1			AUG 13 2018
120	QC	1 pcs	7/27/18	7/27/18	0.00	0.00	QC4			AUG 15 2018
130	Packaging	1 pcs	7/27/18	7/27/18	0.00	0.00	Packaging3-1			DAS 21
135	DC	1 pcs	7/27/18	7/27/18	0.00	0.00	DC			AUG 22 2018 21
140	QC21-FG	1 Ea	7/27/18	7/27/18	0.00	0.00	QC21			AUG 22 2018 21

Part Op 130 - Identify and pack for shipping as per PPP 646.4001 Location: _____
Descriptions: 135 - Photocopy bluefile & type labels per PPP 646.4001

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0129	VHB Tape	8 ft (8 ea)	90-Start up Operation	5031229
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5028331
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5028332
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Start up Operation	5065340
600.1013	021200-3M Tape Primer 94 Primer 24216	5 Ea (5 ea)	90-Start up Operation	5066785
646.2910	Deflector	1 Ea (1 ea)	90-Start up Operation	5064573
646.3001	Lower Cable Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5079987
646.3110	Channel	1 Ea (1 ea)	90-Start up Operation	5059056
646.3210	Support	1 Ea (1 ea)	90-Start up Operation	5065343
646.3301	Upper Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5079963
646.3510	Strut	1 Ea (1 ea)	90-Start up Operation	5036174
646.3511	Strut	1 Ea (1 ea)	90-Start up Operation	5063686
646.3610	Filler	1 Ea (1 ea)	90-Start up Operation	5043544
646.3710	Doubler	1 Ea (1 ea)	90-Start up Operation	5049669
646.3711	Clip	1 Ea (1 ea)	90-Start up Operation	5038799
646.3712	Clip	1 Ea (1 ea)	90-Start up Operation	5026726
646.3713	Gusset	1 Ea (1 ea)	90-Start up Operation	5050332
646.3714	Gusset	1 Ea (1 ea)	90-Start up Operation	5038824
646.3715	Strut Doubler	2 Ea (2 ea)	90-Start up Operation	5035740
646.3716	Gauge Bracket	1 Ea (1 ea)	90-Start up Operation	5039275
646.3717	Doubler	1 Ea (1 ea)	90-Start up Operation	5026842
646.3718	Custom Washer	2 Ea (2 ea)	90-Start up Operation	5038803

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____	AGAINST DEPARTMENT/PROCESS Cross tube ☐ Water Jet ☐ Ball Fab ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐			Engineering ☐ Quality ☐ Other ☐
				MRB (QSI042) Approval
				Completed By
				Lead hand / Supervisor Approval Verification
			QC / QA Coordinator Approval	

DART AEROSPACE
 Container No: S101758
 Part: 646.4001
 Job No: 180507
 Serial No/Batch: S101758
 Revision: _____
 Inspector: _____
 Exp Date: _____
 Instructions: FAA STC SR02180LA 08/22/16, FAA STC SH09 - 10 Issue 1, BRAZIL

1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 CANADA
 TEL: 1 813 632-5200
 Email: sales@dartaero.com
 www.dartaerospace.com

Root Cause				CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cooling	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐								
Misidentified	☐	Past Due	☐	OTHER :							

646.3719	Doubler	2 Ea (2 ea)	90-Start up Operation	5061543
646.3810	Bracket	2 Ea (2 ea)	90-Start up Operation	5067214
646.3811	Radius Block	1 Ea (1 ea)	90-Start up Operation	5057883
646.3812	Gusset Bracket	2 Ea (2 ea)	90-Start up Operation	5067236
646.3813	AS350 Strut Bracket	1 Ea (1 ea)	90-Start up Operation	5037064
646.3910	Shim	4 Ea (4 ea)	90-Start up Operation	5065272
646.3911	Shim	1 Ea (1 ea)	90-Start up Operation	5041250
646.3912	Shim	4 Ea (4 ea)	90-Start up Operation	5083591
646.3913	Shim	1 Ea (1 ea)	90-Start up Operation	5086060
646.9410	Shim	1 Ea (1 ea)	90-Start up Operation	5140671
647.0112	Strut Bracket	2 Ea (2 ea)	90-Start up Operation	5063624
647.7703	Strut Assembly	2 Ea (2 ea)	90-Start up Operation	508929
650.9201	Eyelet Bracket Assembly	2 Ea (2 ea)	90-Start up Operation	5092170X1
AN3-11A	Bolt	10 Ea (10 ea)	90-Start up Operation	5078105
AN3-12A	Bolt	2 Ea (2 ea)	90-Start up Operation	5048376
AN3-13A	Bolt	1 Ea (1 ea)	90-Start up Operation	5038733
AN3-3A	Bolt	4 Ea (4 ea)	90-Start up Operation	5056462
AN3-4A	Bolt	10 Ea (10 ea)	90-Start up Operation	5060063
AN3-5A	Bolt	2 Ea (2 ea)	90-Start up Operation	5071342
AN3-6A	Bolt	2 Ea (2 ea)	90-Start up Operation	5048402
AN316C4R	Nut, Jam	2 Ea (2 ea)	90-Start up Operation	5080637
AN44-5A	Eyebolt	2 Ea (2 ea)	90-Start up Operation	5065262
AN4C7A	Bolt	2 Ea (2 ea)	90-Start up Operation	5027516
AN665-34R	Clevis	2 Ea (2 ea)	90-Start up Operation	5014161
CCR264SS3-02	Cherry Rivet	36 Ea (36 ea)	90-Start up Operation	5071733
CR3213-5-3	Cherry Rivet	14 Ea (14 ea)	90-Start up Operation	5074204
MS20426AD5-7	Rivet	2 Ea (2 ea)	90-Start up Operation	5153848
MS20470AD5-5.5	Rivet	8 Ea (8 ea)	90-Start up Operation	51134063
MS20470AD5-6	Rivet	8 Ea (8 ea)	90-Start up Operation	5124089
MS20470AD5-7	Rivet	3 Ea (3 ea)	90-Start up Operation	5123425
MS21042L08	Nut	2 Ea (2 ea)	90-Start up Operation	5044234
MS21042L3	Nut	63 Ea (63 ea)	90-Start up Operation	5089340
MS21042L4	Nut	2 Ea (2 ea)	90-Start up Operation	5089345
MS21047-3	Nut Plate	18 Ea (18 ea)	90-Start up Operation	5020630
MS24693-C278	Screw	5 Ea (5 ea)	90-Start up Operation	5065341
MS24694-S51	Screw	5 Ea (5 ea)	90-Start up Operation	5004859
MS24694-S54	Screw	2 Ea (2 ea)	90-Start up Operation	5041925
MS24694-S55	Screw	3 Ea (3 ea)	90-Start up Operation	5050050
MS27039-08-13	Screw	2 Ea (2 ea)	90-Start up Operation	5016508
MS27039-1-10	Screw	2 Ea (2 ea)	90-Start up Operation	5071834
MS27039-1-12	Screw	6 Ea (6 ea)	90-Start up Operation	5049832
MS27039-1-16	Screw	24 Ea (24 ea)	90-Start up Operation	5049832
MS27039-1-19	Screw	22 Ea (22 ea)	90-Start up Operation	5071413
MS27039-1-20	Screw	2 Ea (2 ea)	90-Start up Operation	5066680
MS27039-1-21	Screw	4 Ea (4 ea)	90-Start up Operation	5037684
NAS1149F0332P	Washer	144 Ea (144 ea)	90-Start up Operation	5071415X125
NAS1149F0363P	Washer	2 Ea (2 ea)	90-Start up Operation	5075330
NAS1149F0432P	Washer	4 Ea (4 ea)	90-Start up Operation	5083558
NAS1149FN832P	Washer	4 Ea (4 ea)	90-Start up Operation	51138336-9

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	600.0129	8	312	0
	600.0990	1	15	0
	600.0991	1	15	0
	600.1012	1	24	0
	600.1013	5	54	0
	646.2910	1	20	0
	646.3001	1	5	0
	646.3110	1	7	0
	646.3210	1	8	0
	646.3301	1	5	0
	646.3510	1	23	0
	646.3511	1	28	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

646.3610	1	16	0
646.3710	1	54	0
646.3711	1	38	0
646.3712	1	26	0
646.3713	1	21	0
646.3714	1	27	0
646.3715	2	41	0
646.3716	1	44	0
646.3717	1	30	0
646.3718	2	52	0
646.3719	2	44	0
646.3810	2	16	0
646.3811	1	35	0
646.3812	2	10	0
646.3813	1	17	0
646.3910	4	49	0
646.3911	1	27	0
646.3912	4	46	0
646.3913	1	43	0
646.9410	1	105	0
647.0112	2	76	0
647.7703	2	9	0
650.9201	2	1	0
AN3-11A	10	113	0
AN3-12A	2	34	0
AN3-13A	1	32	0
AN3-3A	4	522	0
AN3-4A	10	265	0
AN3-5A	2	190	0
AN3-6A	2	136	0
AN316C4R	2	55	0
AN44-5A	2	21	0
AN4C7A	2	63	0
AN665-34R	2	12	0
CCR264SS3-02	36	289	0
CR3213-5-3	14	155	0
MS20426AD5-7	2	1,111	0
MS20470AD5-5.5	8	269	0
MS20470AD5-6	8	1,054	0
MS20470AD5-7	3	158	0
MS21042L08	2	1,565	0
MS21042L3	63	2,098	0
MS21042L4	2	3,264	0
MS21047-3	18	128	0
MS24693-C278	5	175	0
MS24694-S51	5	184	0
MS24694-S54	2	89	0
MS24694-S55	3	102	0
MS27039-08-13	2	221	0
MS27039-1-10	2	347	0
MS27039-1-12	6	155	0
MS27039-1-16	24	203	0
MS27039-1-19	22	386	0
MS27039-1-20	2	29	0
MS27039-1-21	4	38	0
NAS1149F0332P	144	1,405	0
NAS1149F0363P	2	638	0
NAS1149F0432P	4	2,799	0
NAS1149FN832P	4	1,090	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

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NOTES:

1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2 INSTALL F/N 14 WITH F/N 52 & 53.

3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASLER-CARR P/N 75935A651.

4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5 REUSE FASTENERS FROM F/N 1.

6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

REFERENCE ONLY

UNINCORPORATED ECN(S)

05304

REFERENCE ONLY

5	5	5	78	601.3875	SCREW	MS27039-1-10				
1	1	1	77	646.9410	SHIM					
	4	4	76	601.2764	WASHER	NAS1149F0452P				
	2	2	75	601.2973	LOCKNUT	MS27042-08				
	2	2	74	601.2988	SCREW	MS27039-0813				
	2	2	73	601.2943	LOCKNUT	MS27042-5				
	2	2	72	601.3128	NUT	AN316C4R				
	2	2	71	601.3209	LOCKNUT	MS27042-4				
	4	4	70	601.2638	WASHER	NAS1149F0452P				
	2	2	69	601.2669	BOLT	ANAC7A				
	2	2	68	601.3119	CLEVIS	AN665-34R				
	2	2	67	601.3121	EYE BOLT	AN644-5A				
	2	2	66	650.9201	EYE BRACKET ASSY					
	REF	REF	65	647.5701	GPS MOUNT KIT					
		2	64	601.3151	WASHER	NAS1149F0363P				
		2	63	601.2911	SCREW	MS24694553				
	24	24	62	601.2637	SCREW	MS27039-1-16				
	2	2	61	601.2763	BOLT	AN3-12A				
	1	1	60	646.3913	SHIM					
	4	4	59	646.3912	SHIM					
	1	1	58	646.3911	SHIM					
	4	4	57	646.3910	SHIM					
	5	5	56	600.1013	PRIMER					
	8 FT	8 FT	55	600.0129	VHB TAPE					
	1	1	54	600.1012	SEALANT	PR-1425 CLASS B				
	1	1	53	600.0991	MAGNOBOND 6398 PART B					
	1	1	52	600.0990	MAGNOBOND 6398 PART A					
	6	10	51	601.2826	BOLT	AN3-11A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	MS27039-1-18				
	2		48	601.1365	SCREW	MS27039-1-10				
	2		47	646.3719	DOUBLER					
		2	46	646.3718	CUSTOM WASHER					
	1		45	646.3717	DOUBLER					
	22	2	44	601.1948	SCREW	MS27039-1-19				
	2		43	601.1952	SCREW	MS27039-1-20				
		2	42	601.1956	SCREW	MS27039-1-21				
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 02199, 02181, 02176 & 02165	02/06/2010	P. BRAVO
B	INCORPORATED ECN 02044, 02039 & 04781	11/04/2014	P. BRAVO
C	INCORPORATED ECN 02039	09/09/2015	P. BRAVO

		2		2	41	601.2829	SCREW	MS24694554		
		2		2	40	601.2831	RIVET	MS20426ADS-7		
		1		1	39	646.3716	GAUGE BRACKET			
		6		6	38	601.1953	SCREW	MS27039-1-12		
	2	2		2	37	646.3715	STRUT DOUBLER			
		2		2	36	601.2824	BOLT	AN3-5A		
12	36			36	35	601.2277	RIVET	CCRM445-3-02		
6	18			18	34	600.0795	NUTPLATE	MS21047-3		
3	3			3	33	601.2565	RIVET	MS20426ADS-7		
1	1			1	32	646.3813	STRUT BRACKET			
4	4			4	31	601.2822	BOLT	AN3-3A		
2	2			2	30	646.3812	GUSSET BRACKET			
8	8			8	29	601.2564	RIVET	MS20426ADS-6		
1	1			1	28	646.3714	GUSSET			
	1	1		1	27	646.3610	FILLER			
	3	3		3	26	601.2830	SCREW	MS24694555		
	2	2		2	25	601.2825	BOLT	AN3-6A		
	1	1		1	24	646.3811	RADIUS BLOCK			
	1	1		1	23	646.3712	CLIP			
	1	1		1	22	646.3711	CLIP			
8	8			8	21	601.2832	RIVET	MS20426ADS-5.5		
14	14			14	20	601.2020	RIVET	CR3213-5-3		
4	6	4	6	10	19	601.2823	BOLT	AN3-4A		
	1	1		1	18	601.2827	BOLT	AN3-13A		
	5	5		5	17	601.2912	SCREW	MS24694551		
1	1			1	16	646.3713	GUSSET			
1	1			1	15	646.3210	SUPPORT			
	1	1		1	14	646.3710	DOUBLER			
	1	1		1	13	646.3110	CHANNEL			
14	10	8	53	6	61	12	601.1624	LOCKNUT	MS2104213	
16	32	18	120	16	144	11	601.1607	WASHER	NAS1149F0232P	
				1	10	646.3410	LH WIPER DEFLECTOR			
				1	9	646.3411	RH WIPER DEFLECTOR			
		2		2	8	647.7703	STRUT ASSY			
		2		2	7	647.0112	STRUT BRACKET			
	1	1		1	6	646.3511	STRUT			
	1	1		1	5	646.3510	STRUT			
2		2		2	4	646.3810	BRACKET			
		1		1	3	646.2910	DEFLECTOR			
	1	1		1	2	646.3001	LOWER CUTTER ASSY			
		1		1	1	646.3301	UPPER CUTTER ASSY			
X						646.4006	LOWER CUTTER FIXED PROVISIONS			
	X					646.4005	LOWER CUTTER REMOVABLE PROVISIONS			
		X				646.4004	FIXED PROVISIONS KIT			
			X			646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS			
				X		646.4002	AS350 WIPER DEFLECTOR KIT			
					X	646.4001	AS350 CABLE CUTTERS KIT			
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		NEXT ASSY (S)		ORIGINAL DATE 10/27/08 DRAWN BY S. HUFF CHECKED BY P. BRAVO DATE 08/27/08 CONTRACT NO.		DART AEROSPACE APICAL INDUSTRIES, INC. 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760)-724-5900	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.010 2 PLACE DECIMALS ±.005 ANGLES ±.2°						AS350 CABLE CUTTERS KIT NET WT 07M26 DWG. NO. 646.4000 SCALE NONE SHEET 1 OF 5	

EXCELLENCE UNIT

DEPARTMENT OF